

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/669,654
Confirmation Number	5580
Filing Date	September 25, 2003
First Named Inventor	Hideyuki TANAKA
Art Unit	3611
Examiner Name	Tony H. WINNER
Attorney Docket Number	Q77627

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
<i>IV</i>		US 4,715,463		12/29/1987	Shimizu
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>4</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
<i>IV</i>		JP	2003-312521		11/06/2003	Mitsubishi Electric Corporation	
<i>IV</i>		DE	4300365	A1	07/15/1993	Nissan Motor Company	
<i>IV</i>		EP	1236638	A1	09/04/2002	Bosch GMBH Robert	
<i>IV</i>		EP	1129926 ✓	A1	09/05/2001	Mitsubishi Electric Corporation	
<i>IV</i>		EP	1184254	A2	03/06/2002	Nissan Motor Company	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>4</sup>
<i>IV</i>		French Preliminary Search Report dated June 10, 2004	

Examiner Signature



Date Considered

9/22/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

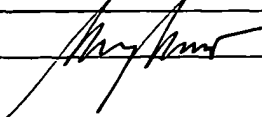
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

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				Confirmation Number	Not Assigned
				Filing Date	September 25, 2003
				First Named Inventor	Hideyuki TANAKA
				Art Unit	Not Assigned
Examiner Name	Not Assigned				
Attorney Docket Number	Q77627				
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
<i>IX</i>		US 6,450,287	B1	09-17-2002	Kurishige et al.
<i>IX</i>		US 2002-0125063		09-12-2002	Kurishige et al.
		US			
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
<i>IX</i>		JP	2001-122146	A	05-08-2001		English Abstract
<i>IX</i>		JP	2001-239951	A	09-04-2001		English Abstract

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Examiner Signature		Date Considered	9/22/04
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